

Model***WK4*****Maximum pipe diameter**

108 mm

**Direct Fired Water Heaters** – We recommend maximum heat rating for different sized units and this also varies according to whether they are gas fired, oil fired or heated electrically.

**Direct fired gas / oil  
Electrical boiler**750 kW  
100 kW

**Flow Rate** – Flow rate is immaterial as far as Water-King is concerned. The greater the flow, the more effective the units tend to be.

**Product Data**

○ Aerial Length	7.0 m
○ Aerial Number	4
○ Minimum aerial turns	15 Turns
○ Frequency range	1 – 10 kHz
○ Peak to peak output voltage	82 V
○ Power supply required	230 V or 110 V
○ Input current	0.08 A
○ Power consumption	2 W
○ Transformer output	Integral to unit
○ Power cable length	1.5 m
○ Dimensions	280mm x 210mm x 140mm
○ Weight	3.00 kg
○ Ambient temperature	0 – 70 °C
○ Humidity non-condensing	80 %
○ Self-diagnostic guard chip	Yes
○ BMS output	Yes
○ IP Rating	65
○ Fuse	20 mm 1 Amp.T. (time delay)

**Self-Diagnostic “Guard Chip”** – Every computer system is prone to malfunction, especially if there is a sudden variation in the power supply, which can jam the program. Most systems have to reset by manual re-booting. Water-King units overcome this problem by an additional “Guard Chip” program, which monitors the performance of the main program and resets the system automatically if it detects a variation or system failure. There is no need for manual resetting after power outage.

**Maintenance** – Once installed, the WK4 requires no maintenance.

**Lifecycle costs** – Running costs are less than £15.00 per annum. The design life is 25 years with a 5-year manufacturer’s warranty.